



PRODUCT FEATURES

1. Connectable technology, ease of maintenance.
2. Cell technology of low cooling and high thermal conductivity. The structure allows fast chip cooling, high heat conduction efficiency and high thermal dissipation performance.
3. Led-by-pass technology: If a led is damaged, it will not affect the rest, nor will it increase its operating current.
4. Driver with intelligent technology of constant current, output of stable current, intelligent unit with numerous options, the light can be adjusted automatically by the system of regulation time.
5. Degree of protection of the optical block IP66 and IK10, high level of protection against water and impacts.
6. Constant flux emission system (CLO), uniform distribution of light over time.

PRODUCT ICONS FEATURE



General Information

Product Range: Outdoor
 Product Family: ATEX
 Product Model: Explosion Proof Light
 Series Reference: EXLERIP66
 Warranty: 5 years
 Lifespan @ Ta=25°C: L80 F10 100,000 h
 Lifespan @ Ta=40°C: L70 F10 80,000 h

Electric Specifications

Voltage (V): 100-277VAC
 Frequency (Hz): 50-60 Hz
 Power Factor (PF): >0.9
 Power Efficiency (PE %): >90%
 Flicker (%): 0%
 Total Harmonic Distortion (THD %): <20%
 Protection Class: II

Light Specifications

System Luminous Efficacy (lm/W): 95-125 lm/W ±10%
 Color Render Index (CRI): >90
 Correlated Color Temperature (CCT °K): 3000K-6000K
 Color Consistency (SDCM): <5
 Unified Glare Rating (UGR): <12
 Beam Angle (Degrees): 120°
 Upper Light Output Ratio (ULOR %): 0%

Protection Specifications

Explosion Proof: Ex emb, IIC T8 Gb, Ex db IIC T80°C Ds-IP66
 Optical Compartment Tightness (IP): IP66
 Auxiliary Compartment Tightness (IP): IP66
 Impact Resistance (IK): IK10
 Surge Protection: Basic 4kV/Extended 10kV

Application Conditions

1) Temperature (T): °C: <80°C @ Ta=25°C
 Tc Temperature (Tc °C): <60°C @ Ta=25°C
 Storage Temperature (Tc): <60°C +85°C
 Operating Temperature (Tc): <60°C +60°C
 Operating Humidity (RH): 5-95%RH

Control And Communication

Constant Light Output (CLO): Optional
 Scheduled Dimming System: 0 levels steps/Optional
 Dimming Function: PWM, 1-10V, DALI (optional)
 Other Sensors Options: Photoelectric Movement/Other
 Wired Communications Compatibility: Yes
 Wireless Communications Compatibility: Yes

Installation And Maintenance

Type: Fixing to surface
 Fixing To Existing Pole: Yes
 System: Attached or hung by chains
 Vertical Angle Adjustment: Yes
 Mounting Height: 4-12M
 Horizontal Angle Adjustment: Yes
 Replaceable Light Source: No
 Replaceable Driver: Yes
 Replaceable Lens: Yes
 Replaceable Cover: Yes
 Housing Opening System: Stainless steel screws
 Wire Connectors System: Waterproof quick Threaded fastener

PCB

PCB Type: MC PCB
 PCB Material: Aluminum
 Thermal Vias: Yes
 Lead Bypass Protection: Yes
 Overheating Protection: NTC Thermistor

LED

Brand: Sidelux
 Type: SMD
 Model: 2835

Driver

Brand: Meanwell, Soan
 Series Type: HLG (Meanwell)
 Internal or External: Internal
 Isolated or Non-Isolated: Isolated
 IP: IP67
 Lifespan @ Tc=60°C: 100,000 h
 Surge Protection: 4 kV, 10kV
 Overload and Short Circuit Protection: Yes
 Thermal Foldback Control: Optional

HeatSink

Thermal Interface Material (TIM): Yes
 Body Material: Aluminum
 Fins Material: Aluminum
 Extra Cooling System: The whole structure of radiation

Housing

Body Material: Aluminum 6063
 Finishing: Aluminum
 Color RAL: Grey/Yellow
 Cover Material: Tempered glass
 Cover Type: Translucent/Clear (optional)
 Locking System: Stainless steel screws

Optical

Lens Material: PC
 Reflector Material: Aluminum
 Diffuser Material: Tempered glass

Wire Connection

Cable Material: 3 * 1.0mm rubber with cold pressed terminal
 Connectors System: Waterproof threaded fastener connector
 Waterproof Connectors: Yes

Matters Need Attention

1. Before use, should carefully read the instructions, to avoid accidents and damage.
2. Please wear gloves to avoid injury before installation work.
3. Lighting installation, and wiring work must be carried out in the absence of power.
4. Power line joints must do insulation, waterproofing treatment.
5. Do not look directly at the light emitting LED lighting in close distance, ensure not hurt the eyes.

PACKING SPECIFICATIONS

Model	Quantity	Long (mm)	Width (mm)	Height (mm)	Gross Weight (kg/box)
885 mm	3	440	290	203	6.2
885 mm	3	740	290	203	9.9
1280 mm	3	1140	290	203	16.6
1280 mm	3	1340	290	203	19.6
1280 mm	3	1540	290	203	22.6
1280 mm	3	1740	290	203	25.6
1680 mm	3	440	290	203	6.2
1680 mm	3	740	290	203	9.9
1680 mm	3	1140	290	203	16.6
1680 mm	3	1340	290	203	19.6
1680 mm	3	1540	290	203	22.6
1680 mm	3	1740	290	203	25.6

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